

**CONTRACT NO. 16-021C  
LTK ENGINEERING SERVICES  
TASK ORDER NO. 1**

**ATTACHMENT B**

**COST AND FEE RECAP**

**TASK: New York Penn Station Capacity Improvements**

**FIRM: LTK Engineering Services**

	<b>DESCRIPTION</b>	<b>PERSON HOURS</b>	<b>SALARY</b>	<b>OVERHEAD</b>	<b>SUBTOTAL</b>	<b>FIXED FEE</b>	<b>DIRECT EXPENSES</b>	<b>TOTAL COST</b>
LTK Engineering Services	Prime	524	\$29,951.52	\$45,346.60	\$75,298.12	\$7,529.81	\$2,600.00	\$85,427.93
ARUP	Subcontractor	1170	\$68,512.02	\$132,981.83	\$201,493.85	\$20,149.39	\$4,660.00	\$226,303.24
Envision	DBE Subcontractor	236	\$11,387.28	\$15,600.57	\$26,987.85	\$2,698.79	\$300.00	\$29,986.64
Matrix NEWORLD	DBE Subcontractor	306	\$11,508.06	\$19,908.94	\$31,417.00	\$3,141.70	\$0.00	\$34,558.70
SSA	DBE Subcontractor	358	\$16,403.78	\$20,777.03	\$37,180.81	\$3,718.08	\$396.80	\$41,295.69
<b>SUBTOTALS</b>		2594	\$137,762.66	\$234,614.98	\$372,377.64	\$37,237.76	\$7,956.80	\$417,572.20

**Option - Additional Operations Analysis Allowance per RFP** \$40,000.00

**TOTAL** **\$457,572.20**

**COST AND FEE RECAP BY FIRM / TASK**

**TASK: New York Penn Station Capacity Improvements**

**FIRM: LTK ENGINEERING SERVICES**

	<b>DESCRIPTION</b>	<b>PERSON HOURS</b>	<b>SALARY</b>	<b>OVERHEAD @ 151.40%</b>	<b>SUBTOTAL</b>	<b>FIXED FEE @ 10%</b>	<b>DIRECT EXPENSES</b>	<b>TOTAL COST</b>
Task One	Inventory and Review of Existing Conditions Information	20	\$1,131.84	\$1,713.61	\$2,845.45	\$284.54	\$0.00	\$3,129.99
Task Two	Development of Study Base Map and Information Graphics	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Three	Development of Approach to Alternatives Development and Alternatives Evaluation	40	\$3,230.88	\$4,891.55	\$8,122.43	\$812.24	\$0.00	\$8,934.68
Task Four	Development of Up To Five Penn Station Capacity Enhancement Alternatives	100	\$5,443.44	\$8,241.37	\$13,684.81	\$1,368.48	\$0.00	\$15,053.29
Task Five	Evaluation of Alternative Concepts	232	\$12,428.64	\$18,816.96	\$31,245.60	\$3,124.56	\$0.00	\$34,370.16
Task Six	Study Conclusions Report	24	\$1,925.76	\$2,915.60	\$4,841.36	\$484.14	\$0.00	\$5,325.50
Task Seven	Coordination, Meetings, and Progress Reporting	108	\$5,790.96	\$8,767.51	\$14,558.47	\$1,455.85	\$2,600.00	\$18,614.32
<b>TOTAL ALL TASKS</b>		524	\$29,951.52	\$45,346.60	\$75,298.12	\$7,529.81	\$2,600.00	\$85,427.93

Additional Operations Analysis Allowance per RFP \$30,000.00  
 \$115,427.93

**COST AND FEE RECAP BY FIRM / TASK**

**TASK: New York Penn Station Capacity Improvements**

**FIRM: Arup USA, Inc.**

	<b>DESCRIPTION</b>	<b>PERSON HOURS</b>	<b>SALARY</b>	<b>OVERHEAD @ 194.10%</b>	<b>SUBTOTAL</b>	<b>FIXED FEE @ 10%</b>	<b>DIRECT EXPENSES</b>	<b>TOTAL COST</b>
Task One	Inventory and Review of Existing Conditions Information	144	\$7,164.54	\$13,906.37	\$21,070.91	\$2,107.09	\$0.00	\$23,178.00
Task Two	Development of Study Base Map and Information Graphics	196	\$8,874.44	\$17,225.29	\$26,099.73	\$2,609.97	\$2,260.00	\$30,969.70
Task Three	Development of Approach to Alternatives Development and Alternatives Evaluation	72	\$4,667.04	\$9,058.72	\$13,725.76	\$1,372.58	\$0.00	\$15,098.34
Task Four	Development of Up To Five Penn Station Capacity Enhancement Alternatives	392	\$21,664.72	\$42,051.22	\$63,715.94	\$6,371.59	\$0.00	\$70,087.54
Task Five	Evaluation of Alternative Concepts	156	\$11,016.20	\$21,382.44	\$32,398.64	\$3,239.86	\$0.00	\$35,638.51
Task Six	Study Conclusions Report	138	\$8,571.88	\$16,638.02	\$25,209.90	\$2,520.99	\$0.00	\$27,730.89
Task Seven	Coordination, Meetings, and Progress Reporting	72	\$6,553.20	\$12,719.76	\$19,272.96	\$1,927.30	\$2,400.00	\$23,600.26
<b>TOTAL ALL TASKS</b>		1170	\$68,512.02	\$132,981.83	\$201,493.85	\$20,149.39	\$4,660.00	\$226,303.24

**COST AND FEE RECAP BY FIRM / TASK**

**TASK: New York Penn Station Capacity Improvements**

**FIRM: Envision Consultants, LLC**

	<b>DESCRIPTION</b>	<b>PERSON HOURS</b>	<b>SALARY</b>	<b>OVERHEAD @ 137%</b>	<b>SUBTOTAL</b>	<b>FIXED FEE @ 10%</b>	<b>DIRECT EXPENSES</b>	<b>TOTAL COST</b>
Task One	Inventory and Review of Existing Conditions Information	56	\$3,244.08	\$4,444.39	\$7,688.47	\$768.85	\$0.00	\$8,457.32
Task Two	Development of Study Base Map and Information Graphics	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Three	Development of Approach to Alternatives Development and Alternatives Evaluation	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Four	Development of Up To Five Penn Station Capacity Enhancement Alternatives	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Five	Evaluation of Alternative Concepts	180	\$8,143.20	\$11,156.18	\$19,299.38	\$1,929.94	\$300.00	\$21,529.32
Task Six	Study Conclusions Report	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Seven	Coordination, Meetings, and Progress Reporting	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL ALL TASKS</b>		236	\$11,387.28	\$15,600.57	\$26,987.85	\$2,698.79	\$300.00	\$29,986.64

Additional Operations Analysis Allowance per RFP

\$10,000.00

**\$39,986.64**

**COST AND FEE RECAP BY FIRM / TASK**

**TASK: New York Penn Station Capacity Improvements**

**FIRM: Matrix New World Engineering**

	<b>DESCRIPTION</b>	<b>PERSON HOURS</b>	<b>SALARY</b>	<b>OVERHEAD @ 173.00%</b>	<b>SUBTOTAL</b>	<b>FIXED FEE @ 10%</b>	<b>DIRECT EXPENSES</b>	<b>TOTAL COST</b>
Task One	Inventory and Review of Existing Conditions Information	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Two	Development of Study Base Map and Information Graphics	306	\$11,508.06	\$19,908.94	\$31,417.00	\$3,141.70	\$0.00	\$34,558.70
Task Three	Development of Approach to Alternatives Development and Alternatives Evaluation	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Four	Development of Up To Five Penn Station Capacity Enhancement Alternatives	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Five	Evaluation of Alternative Concepts	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Six	Study Conclusions Report	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Seven	Coordination, Meetings, and Progress Reporting	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL ALL TASKS</b>		306	\$11,508.06	\$19,908.94	\$31,417.00	\$3,141.70	\$0.00	\$34,558.70

**COST AND FEE RECAP BY FIRM / TASK**

**TASK: New York Penn Station Capacity Improvements**

**FIRM: Sowinski Sullivan Architects, PC**

	<b>DESCRIPTION</b>	<b>PERSON HOURS</b>	<b>SALARY</b>	<b>OVERHEAD @ 126.66%</b>	<b>SUBTOTAL</b>	<b>FIXED FEE @ 10%</b>	<b>DIRECT EXPENSES</b>	<b>TOTAL COST</b>
Task One	Inventory and Review of Existing Conditions Information	8	\$329.60	\$417.47	\$747.07	\$74.71	\$161.60	\$983.38
Task Two	Development of Study Base Map and Information Graphics	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Three	Development of Approach to Alternatives Development and Alternatives Evaluation	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task Four	Development of Up To Five Penn Station Capacity Enhancement Alternatives	250	\$10,528.66	\$13,335.60	\$23,864.26	\$2,386.43	\$0.00	\$26,250.69
Task Five	Evaluation of Alternative Concepts	60	\$2,805.72	\$3,553.72	\$6,359.44	\$635.94	\$0.00	\$6,995.39
Task Six	Study Conclusions Report	16	\$1,095.92	\$1,388.09	\$2,484.01	\$248.40	\$0.00	\$2,732.41
Task Seven	Coordination, Meetings, and Progress Reporting	24	\$1,643.88	\$2,082.14	\$3,726.02	\$372.60	\$235.20	\$4,333.82
<b>TOTAL ALL TASKS</b>		358	\$16,403.78	\$20,777.03	\$37,180.81	\$3,718.08	\$396.80	\$41,295.69